

PATENT COOPERATION TREATY

PCT

INTERNATIONAL SEARCH REPORT

(PCT Article 18 and Rules 43 and 44)

| | | |
|--|---|---|
| Applicant's or agent's file reference FP1184 | FOR FURTHER ACTION <small>see Notification of Transmittal of International Search Report (Form PCT/ISA/220) as well as, where applicable, item 5 below.</small> | |
| International application No. PCT/SG 99/00070 | International filing date (day/month/year) 09. July 1999 (09.07.99) | (Earliest) Priority Date (day/month/year) - |
| Applicant Institute of Materials Research & Engineering et al. | | |

This international search report has been prepared by this International Searching Authority and is transmitted to the applicant according to Article 18. A copy is being transmitted to the International Bureau.

This international search report consists of a total of 4 sheets.

☐ It is also accompanied by a copy of each prior art document cited in this report.

1. Basis of the report
 - a. With regard to the language, the international search was carried out on the basis of the international application in the language in which it was filed, unless otherwise indicated under this item.

☐ the international search was carried out on the basis of a translation of the international application furnished to this Authority (Rule 23.1(b)).
 - b. With regard to any nucleotide and/or amino acid sequence disclosed in the international application, the international search was carried out on the basis of the sequence listing:

☐ contained in the international application in written form.

☐ filed together with the international application in computer readable form.

☐ furnished subsequently to this Authority in written form.

☐ furnished subsequently to this Authority in computer readable form.

☐ the statement that the subsequently furnished written sequence listing does not go beyond the disclosure in the international application as filed has been furnished.

☐ the statement that the information recorded in computer readable form is identical to the written sequence listing has been furnished.
2. ☐ Certain claims were found unsearchable (See Box I).
3. ☐ Unity of invention is lacking (See Box II).
4. With regard to the title,

☒ the text is approved as submitted by the applicant.

☐ the text has been established by this Authority to read as follows:
5. With regard to the abstract,

☐ the text is approved as submitted by the applicant.

☒ the text has been established, according to Rule 38.2(b), by this Authority as it appears in Box III. The applicant may, within one month from the date of mailing of this international search report, submit comments to this Authority.
6. The figure of the drawings to be published with the abstract is Figure No.: 1

☒ as suggested by the applicant.

☐ because the applicant failed to suggest a figure.

☐ because this figure better characterizes the invention.

☐ None of the figures.

INTERNATIONAL SEARCH REPORT

International application No.

PCT/SG 99/00070

Box III TEXT OF THE ABSTRACT (Continuation of item 5 of the first sheet)

An encapsulation for an electrical device (105) is disclosed. The encapsulation comprises plastic substrates (120, 121) which are laminated onto the surface (116) of the electrical device (105). The use of laminated plastics is particularly useful for flexible electrical devices (105) such as organic LEDs.

INT ATIONAL SEARCH REPORT

International application No.
PCT/SG 99/00070

A. CLASSIFICATION OF SUBJECT MATTER

IPC⁷: H05K 5/02, 5/06; H01L 23/28

According to International Patent Classification (IPC) or to both national classification and IPC

B. FIELDS SEARCHED

Minimum documentation searched (classification system followed by classification symbols)

IPC⁷: H01L 23/28; G06K 19/077; H05K 5/02, 5/06; H05B 33/04

Documentation searched other than minimum documentation to the extent that such documents are included in the fields searched

Electronic data base consulted during the international search (name of data base and, where practicable, search terms used)

WPI

C. DOCUMENTS CONSIDERED TO BE RELEVANT

| Category* | Citation of document, with indication, where appropriate, of the relevant passages | Relevant to claim No. |
|-----------|--|--|
| X Y | US 4767679A (KAZUHIKO K.) 30 August 1988 (30.08.88), abstract and summ. of invention, fig.1. | 1-3, 6-7, 10, 13, 14, 51-53 4-5, 8-9, 11-12, 15-50, 54-85 |
| X Y | US 4746392 A (HOPPE J.) 24 May 1988 (24.05.88), abstract and summ. of of invention, fig. 3. | 1, 51 4-5, 8-9, 11-12, 15-50, 54-85 |
| Y A | GB 2028719 A (KODAK E.) 12 March 1980 (12.03.80), abstract and fig.2 | 61-70, 74-81, 83-85 1-60, 71-73, 82 |

☐ Further documents are listed in the continuation of Box C.☒ See patent family annex.

* Special categories of cited documents:

..A.. document defining the general state of the art which is not considered to be of particular relevance

..E.. earlier application or patent but published on or after the international filing date

..L.. document which may throw doubts on priority claim(s) or which is cited to establish the publication date of another citation or other special reason (as specified)

..O.. document referring to an oral disclosure, use, exhibition or other means

..P.. document published prior to the international filing date but later than the priority date claimed

..T.. later document published after the international filing date or priority date and not in conflict with the application but cited to understand the principle or theory underlying the invention

..X.. document of particular relevance; the claimed invention cannot be considered novel or cannot be considered to involve an inventive step when the document is taken alone

..Y.. document of particular relevance; the claimed invention cannot be considered to involve an inventive step when the document is combined with one or more other such documents, such combination being obvious to a person skilled in the art

..&.. document member of the same patent family

Date of the actual completion of the international search

07 April 2000 (07.04.00)

Date of mailing of the international search report

20 June 2000 (20.06.00)

Name and mailing address of the ISA/AT
Austrian Patent Office
Kohlmarkt 8-10; A-1014 Vienna
Facsimile No. 1/53424/200

Authorized officer

Koskarti

Telephone No. 1/53424/326

INTERNATIONAL SEARCH REPORT

Information on patent family members

International application No.

PCT/SG 99/00070

| Patent document cited in search report | | | Publication date | Patent family member(s) | | | Publication date |
|---|----|---------|---------------------|----------------------------|----|----------|---------------------|
| US | A | 4767679 | 30-08-1988 | JP | A2 | 63105493 | 10-05-1988 |
| US | A | 4746392 | 24-05-1988 | AT | E | 51091 | 15-03-1990 |
| | | | | DE | A1 | 3248385 | 28-06-1984 |
| | | | | DE | C0 | 3381328 | 19-04-1990 |
| | | | | EP | A1 | 116148 | 22-08-1984 |
| | | | | EP | B1 | 116148 | 14-03-1990 |
| | | | | JP | A2 | 59170982 | 27-09-1984 |
| | | | | JP | B4 | 4047868 | 05-08-1992 |
| | | | | US | A | 4843225 | 27-06-1989 |
| | | | | US | A | 5013900 | 07-05-1991 |
| GB | A1 | 2028719 | 12-03-1980 | US | A | 4287285 | 01-09-1981 |

PCT

REQUEST

The undersigned requests that the present international application be processed according to the Patent Cooperation Treaty.

For receiving Office use only

International Application No.

International Filing Date

Name of receiving Office and "PCT International Application"

Applicant's or agent's file reference:
(if desired) (12 characters maximum) FP1184

| | |
|---|---|
| Box No. I TITLE OF INVENTION | |
| Laminates For Encapsulating Devices | |
| Box No. II APPLICANT | |
| Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) | |
| Institute of Materials Research & Engineering Blk S7 Level 3 Kent Ridge Crescent Singapore 119260 | |
| <input type="checkbox"/> This person is also inventor. | |
| Telephone No. | |
| Facsimile No. | |
| Telex No. | |
| State (that is, country) of nationality: Singapore | State (that is, country) of residence: Singapore |
| This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input checked="" type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box | |
| Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S) | |
| Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.) | |
| OSRAM Opto Semiconductors GmbH & Co. OHG Wernerwerkstr. 2 D-93049 Regensburg, Germany | |
| This person is: <input checked="" type="checkbox"/> applicant only <input type="checkbox"/> applicant and inventor <input type="checkbox"/> inventor only (if this check-box is marked, do not fill in below) | |
| State (that is, country) of nationality: Germany | State (that is, country) of residence: Germany |
| This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input checked="" type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box | |
| <input checked="" type="checkbox"/> Further applicants and/or (further) inventors are indicated on a continuation sheet. | |
| Box No. IV AGENT OR COMMON REPRESENTATIVE; OR ADDRESS FOR CORRESPONDENCE | |
| The person identified below is hereby/has been appointed to act on behalf of the applicant(s) before the competent International Authorities as: <input checked="" type="checkbox"/> agent <input type="checkbox"/> common representative | |
| Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country.) | |
| MCCALLUM, GRAEME DAVID LLOYD WISE TANJONG PAGAR P O BOX 636 SINGAPORE 910816 | |
| Telephone No. 227 8986 | |
| Facsimile No. 227 3898 | |
| Telex No. | |
| <input type="checkbox"/> Address for correspondence: Mark this check-box where no agent or common representative is/has been appointed and the space above is used instead to indicate a special address to which correspondence should be sent. | |

09/106533
5000

PCT

NOTIFICATION OF THE RECORDING
OF A CHANGE

(PCT Rule 92bis.1 and
Administrative Instructions, Section 422)

From the INTERNATIONAL BUREAU

To:

EPPING, Wilhelm
Epping Hermann & Fischer GbR
Postfach 12 10 26
D-80034 München
ALLEMAGNE

| | |
|---|-------------------------------|
| Date of mailing (day/month/year) 20 March 2001 (20.03.01) | IMPORTANT NOTIFICATION |
| Applicant's or agent's file reference FP1184 | |
| International application No. PCT/SG99/00070 | |
| International filing date (day/month/year) 09 July 1999 (09.07.99) | |

| | | |
|---|--|---|
| 1. The following indications appeared on record concerning: | | |
| <input checked="" type="checkbox"/> the applicant | <input type="checkbox"/> the inventor | <input type="checkbox"/> the agent |
| <input type="checkbox"/> the common representative | | |
| Name and Address INSTITUTE OF MATERIALS RESEARCH & ENGINEERING Blk S7, Level 3 Kent Ridge Crescent Singapore 119260 Singapore | State of Nationality SG | State of Residence SG |
| | Telephone No. | |
| | Facsimile No. | |
| | Teleprinter No. | |
| 2. The International Bureau hereby notifies the applicant that the following change has been recorded concerning: | | |
| <input type="checkbox"/> the person | <input type="checkbox"/> the name | <input checked="" type="checkbox"/> the address |
| <input type="checkbox"/> the nationality | | |
| <input type="checkbox"/> the residence | | |
| Name and Address INSTITUTE OF MATERIALS RESEARCH & ENGINEERING 3 Research Link Singapore 117602 Singapore | State of Nationality SG | State of Residence SG |
| | Telephone No. | |
| | Facsimile No. | |
| | Teleprinter No. | |
| 3. Further observations, if necessary: | | |
| 4. A copy of this notification has been sent to: | | |
| <input checked="" type="checkbox"/> the receiving Office | <input checked="" type="checkbox"/> the designated Offices concerned | |
| <input type="checkbox"/> the International Searching Authority | <input type="checkbox"/> the elected Offices concerned | |
| <input type="checkbox"/> the International Preliminary Examining Authority | <input type="checkbox"/> other: | |

| | |
|---|--|
| The International Bureau of WIPO 34, chemin des Colombettes 1211 Geneva 20, Switzerland | Authorized officer Maria Victoria CORTIELLO |
| Facsimile No.: (41-22) 740.14.35 | Telephone No.: (41-22) 338.83.38 |

Literaturblatt zum Stand der Technik

Fall-Nummer: 1999P8115

Titel: Laminates for Encapsulation Devices

Mandanten-Referenz: Pz03 Epp41

in der Beschreibungseinleitung genannter SdT

Burroughes et al., Nature 347 (1990) 539

US4,720,432

Internat. Recherchenbericht/Prüfungsverfahren

GB2028719

US4,746,392

US4,767,679

| Box No. VI PRIORITY CLAIM | | | | |
|--|----------------------------------|----------------------------------|--|--|
| Filing of earlier application (day/month/year) | Number of earlier application | Where earlier application is: | | |
| | | national application: country | regional application: regional Office | international application: receiving Office |
| item (1) | | | | |
| item (2) | | | | |
| item (3) | | | | |

☐ The receiving Office is requested to prepare and transmit to the International Bureau a certified copy of the earlier application(s) (only if the earlier application was filed with the Office which for the purposes of the present international application is the receiving Office) identified above as item(s):

* Where the earlier application is an ARIPO application it is mandatory to indicate in the Supplemental Box at least one country party to the Paris Convention for the Protection of Industrial Property for which that earlier application was filed (Rule 4.10(b)(ii)). See Supplemental Box.

Box No. VII INTERNATIONAL SEARCHING AUTHORITY

| | |
|--|--|
| Choice of International Searching Authority (ISA) (If two or more International Searching Authorities are competent to carry out the International search, indicate the Authority chosen; the two-letter code may be used): | Request to use results of earlier search: reference to that search (If an earlier search has been carried out by or requested from the International Searching Authority): |
| ISA / AT | Date (day/month/year) Number Country (or regional Office) |

Box No. VIII CHECK LIST: LANGUAGE OF FILING

| | |
|---|--|
| This international application contains the following number of sheets: | This international application is accompanied by the item(s) marked below: |
| request : 4 | 1. <input checked="" type="checkbox"/> fee calculation sheet |
| description (excluding sequence listing part) : 13 | 2. <input type="checkbox"/> separate signed power of attorney |
| claims : 15 | 3. <input type="checkbox"/> copy of general power of attorney, reference number, if any: |
| abstract : 1 | 4. <input type="checkbox"/> statement explaining lack of signature |
| drawings : 4 | 5. <input type="checkbox"/> priority document(s) identified in Box No. VI as item(s): |
| sequence listing part of description : | 6. <input type="checkbox"/> translation of international application into (language): |
| Total number of sheets : 37 | 7. <input type="checkbox"/> separate indications concerning deposited microorganism or other biological material |
| | 8. <input type="checkbox"/> nucleotide and/or amino acid sequence listing in computer readable form |
| | 9. <input checked="" type="checkbox"/> other (specify): PF 48 |
| Figure of the drawings which should accompany the abstract: 1 | Language of filing of the international application: English |

Box No. IX SIGNATURE OF APPLICANT OR AGENT

Next to each signature, indicate the name of the person signing and the capacity in which the person signs (If such capacity is not obvious from reading the request).

MCCALLUM, GRAEME DAVID
AGENTS FOR THE APPLICANTS

| For receiving Office use only | | 2. Drawings: | |
|---|--|--|--|
| 1. Date of actual receipt of the purported international application: | | <input type="checkbox"/> received: | |
| 3. Corrected date of actual receipt due to later but timely received papers or drawings completing the purported international application: | | <input type="checkbox"/> not received: | |
| 4. Date of timely receipt of the required corrections under PCT Article 11(2): | | | |
| 5. International Searching Authority (if two or more are competent): ISA / | 6. <input type="checkbox"/> Transmittal of search copy delayed until search fee is paid. | | |

For International Bureau use only

Date of receipt of the record copy by the International Bureau:

See Notes to the request form

| Continuation of Box No. III FURTHER APPLICANT(S) AND/OR (FURTHER) INVENTOR(S) | |
|--|--|
| <p><i>If none of the following sub-boxes is used, this should not be included in the request.</i></p> | |
| <p>Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)</p> <p style="text-align: center;">GUENTHER Ewald Karl Michael 991 Bukit Timah Road, #03-11 Maplewoods Singapore 589630</p> | <p>This person is:</p> <p><input type="checkbox"/> applicant only</p> <p><input checked="" type="checkbox"/> applicant and inventor</p> <p><input type="checkbox"/> inventor only (if this check-box is marked, do not fill in below.)</p> |
| <p>State (that is, country) of nationality: Germany</p> | <p>State (that is, country) of residence: Singapore</p> |
| <p>This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input checked="" type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box</p> | |
| <p>Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)</p> <p style="text-align: center;">WANG Wei #03-03 Dunearn Lodge, 408 Duneran Road Singapore 289674</p> | <p>This person is:</p> <p><input type="checkbox"/> applicant only</p> <p><input checked="" type="checkbox"/> applicant and inventor</p> <p><input type="checkbox"/> inventor only (if this check-box is marked, do not fill in below.)</p> |
| <p>State (that is, country) of nationality: China</p> | <p>State (that is, country) of residence: Singapore</p> |
| <p>This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input checked="" type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box</p> | |
| <p>Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)</p> <p style="text-align: center;">CHUA Soo Jin 37 Cheng Soon Crescent Singapore 599909</p> | <p>This person is:</p> <p><input type="checkbox"/> applicant only</p> <p><input checked="" type="checkbox"/> applicant and inventor</p> <p><input type="checkbox"/> inventor only (if this check-box is marked, do not fill in below.)</p> |
| <p>State (that is, country) of nationality: Malaysia</p> | <p>State (that is, country) of residence: Singapore</p> |
| <p>This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input checked="" type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box</p> | |
| <p>Name and address: (Family name followed by given name; for a legal entity, full official designation. The address must include postal code and name of country. The country of the address indicated in this Box is the applicant's State (that is, country) of residence if no State of residence is indicated below.)</p> | <p>This person is:</p> <p><input type="checkbox"/> applicant only</p> <p><input type="checkbox"/> applicant and inventor</p> <p><input type="checkbox"/> inventor only (if this check-box is marked, do not fill in below.)</p> |
| <p>State (that is, country) of nationality:</p> | <p>State (that is, country) of residence:</p> |
| <p>This person is applicant for the purposes of: <input type="checkbox"/> all designated States <input type="checkbox"/> all designated States except the United States of America <input type="checkbox"/> the United States of America only <input type="checkbox"/> the States indicated in the Supplemental Box</p> | |
| <p><input type="checkbox"/> Further applicants and/or (further) inventors are indicated on another continuation sheet.</p> | |

Box No.V DESIGNATION OF STATES

The following designations are hereby made under Rule 4.9(a) (the applicable check-boxes: at least one must be marked):

Regional Patent

- ☒ AP ARIPO Patent: GH Ghana, GM Gambia, KE Kenya, LS Lesotho, MW Malawi, SD Sudan, SZ Swaziland, UG Uganda, ZW Zimbabwe, and any other State which is a Contracting State of the Harare Protocol and of the PCT
- ☒ EA Eurasian Patent: AM Armenia, AZ Azerbaijan, BY Belarus, KG Kyrgyzstan, KZ Kazakhstan, MD Republic of Moldova, RU Russian Federation, TJ Tajikistan, TM Turkmenistan, and any other State which is a Contracting State of the Eurasian Patent Convention and of the PCT
- ☒ EP European Patent: AT Austria, BE Belgium, CH and LI Switzerland and Liechtenstein, CY Cyprus, DE Germany, DK Denmark, ES Spain, FI Finland, FR France, GB United Kingdom, GR Greece, IE Ireland, IT Italy, LU Luxembourg, MC Monaco, NL Netherlands, PT Portugal, SE Sweden, and any other State which is a Contracting State of the European Patent Convention and of the PCT
- ☒ OA OAPI Patent: BF Burkina Faso, BJ Benin, CF Central African Republic, CG Congo, CI Côte d'Ivoire, CM Cameroon, GA Gabon, GN Guinea, ML Mali, MR Mauritania, NE Niger, SN Senegal, TD Chad, TG Togo, and any other State which is a member State of OAPI and a Contracting State of the PCT (if other kind of protection or treatment desired, specify on dotted line)

National Patent (if other kind of protection or treatment desired, specify on dotted line):

- | | |
|--|--|
| <input checked="" type="checkbox"/> AL Albania | <input checked="" type="checkbox"/> LS Lesotho |
| <input checked="" type="checkbox"/> AM Armenia | <input checked="" type="checkbox"/> LT Lithuania |
| <input checked="" type="checkbox"/> AT Austria | <input checked="" type="checkbox"/> LU Luxembourg |
| <input checked="" type="checkbox"/> AU Australia | <input checked="" type="checkbox"/> LV Latvia |
| <input checked="" type="checkbox"/> AZ Azerbaijan | <input checked="" type="checkbox"/> MD Republic of Moldova |
| <input checked="" type="checkbox"/> BA Bosnia and Herzegovina | <input checked="" type="checkbox"/> MG Madagascar |
| <input checked="" type="checkbox"/> BB Barbados | <input checked="" type="checkbox"/> MK The former Yugoslav Republic of Macedonia |
| <input checked="" type="checkbox"/> BG Bulgaria | <input checked="" type="checkbox"/> MN Mongolia |
| <input checked="" type="checkbox"/> BR Brazil | <input checked="" type="checkbox"/> MW Malawi |
| <input checked="" type="checkbox"/> BY Belarus | <input checked="" type="checkbox"/> MX Mexico |
| <input checked="" type="checkbox"/> CA Canada | <input checked="" type="checkbox"/> NO Norway |
| <input checked="" type="checkbox"/> CH and LI Switzerland and Liechtenstein | <input checked="" type="checkbox"/> NZ New Zealand |
| <input checked="" type="checkbox"/> CN China | <input checked="" type="checkbox"/> PL Poland |
| <input checked="" type="checkbox"/> CU Cuba | <input checked="" type="checkbox"/> PT Portugal |
| <input checked="" type="checkbox"/> CZ Czech Republic | <input checked="" type="checkbox"/> RO Romania |
| <input checked="" type="checkbox"/> DE Germany | <input checked="" type="checkbox"/> RU Russian Federation |
| <input checked="" type="checkbox"/> DK Denmark | <input checked="" type="checkbox"/> SD Sudan |
| <input checked="" type="checkbox"/> EE Estonia | <input checked="" type="checkbox"/> SE Sweden |
| <input checked="" type="checkbox"/> ES Spain | <input checked="" type="checkbox"/> SG Singapore |
| <input checked="" type="checkbox"/> FI Finland | <input checked="" type="checkbox"/> SI Slovenia |
| <input checked="" type="checkbox"/> GB United Kingdom | <input checked="" type="checkbox"/> SK Slovakia |
| <input checked="" type="checkbox"/> GE Georgia | <input checked="" type="checkbox"/> SL Sierra Leone |
| <input checked="" type="checkbox"/> GH Ghana | <input checked="" type="checkbox"/> TJ Tajikistan |
| <input checked="" type="checkbox"/> GM Gambia | <input checked="" type="checkbox"/> TM Turkmenistan |
| <input checked="" type="checkbox"/> GW Guinea-Bissau | <input checked="" type="checkbox"/> TR Turkey |
| <input checked="" type="checkbox"/> HR Croatia | <input checked="" type="checkbox"/> TT Trinidad and Tobago |
| <input checked="" type="checkbox"/> HU Hungary | <input checked="" type="checkbox"/> UA Ukraine |
| <input checked="" type="checkbox"/> ID Indonesia | <input checked="" type="checkbox"/> UG Uganda |
| <input checked="" type="checkbox"/> IL Israel | <input checked="" type="checkbox"/> US United States of America |
| <input checked="" type="checkbox"/> IS Iceland | <input checked="" type="checkbox"/> UZ Uzbekistan |
| <input checked="" type="checkbox"/> JP Japan | <input checked="" type="checkbox"/> VN Viet Nam |
| <input checked="" type="checkbox"/> KE Kenya | <input checked="" type="checkbox"/> YU Yugoslavia |
| <input checked="" type="checkbox"/> KG Kyrgyzstan | <input checked="" type="checkbox"/> ZW Zimbabwe |
| <input checked="" type="checkbox"/> KP Democratic People's Republic of Korea | |
| <input checked="" type="checkbox"/> KR Republic of Korea | |
| <input checked="" type="checkbox"/> KZ Kazakhstan | |
| <input checked="" type="checkbox"/> LC Saint Lucia | |
| <input checked="" type="checkbox"/> LK Sri Lanka | |
| <input checked="" type="checkbox"/> LR Liberia | |
| <input checked="" type="checkbox"/> ZA South Africa | |

Check-boxes reserved for designating States (for the purposes of a national patent) which have become party to the PCT after issuance of this sheet:

- ☒ IN India
- ☒ UAE United Arab Emirates

Precautionary Designation Statement: In addition to the designations made above, the applicant also makes under Rule 4.9(b) all other designations which would be permitted under the PCT except any designation(s) indicated in the Supplemental Box as being excluded from the scope of this statement. The applicant declares that these additional designations are subject to confirmation and that any designation which is not confirmed before the expiration of 15 months from the priority date is to be regarded as withdrawn by the applicant at the expiration of that time limit. (Confirmation of a designation consists of the filing of a notice specifying that designation and the payment of the designation and confirmation fees. Confirmation must reach the receiving Office within the 15-month time limit.)

See Notes to the request form

(12) INTERNATIONAL APPLICATION PUBLISHED UNDER

THE PATENT COOPERATION TREATY (PCT)

(19) World Intellectual Property Organization
International Bureau(43) International Publication Date
18 January 2001 (18.01.2001) ✓

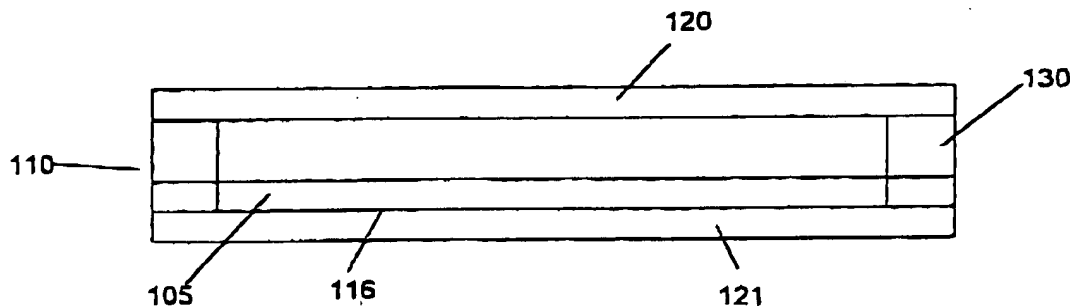
PCT

(10) International Publication Number
WO 01/05205 A1 ✓(51) International Patent Classification: **H05K 5/02.**
S06. HO1L 23/28(74) Agent: **EPPING, Wilhelm; Epping Hermann & Fischer**
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(57) Abstract: An encapsulation for an electrical device (105) is disclosed. The encapsulation comprises plastic substrates (120, 121) which are laminated onto the surface (116) of the electrical device (105). The use of laminated plastics is particularly useful for flexible electrical devices (105) such as organic LEDs.

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